



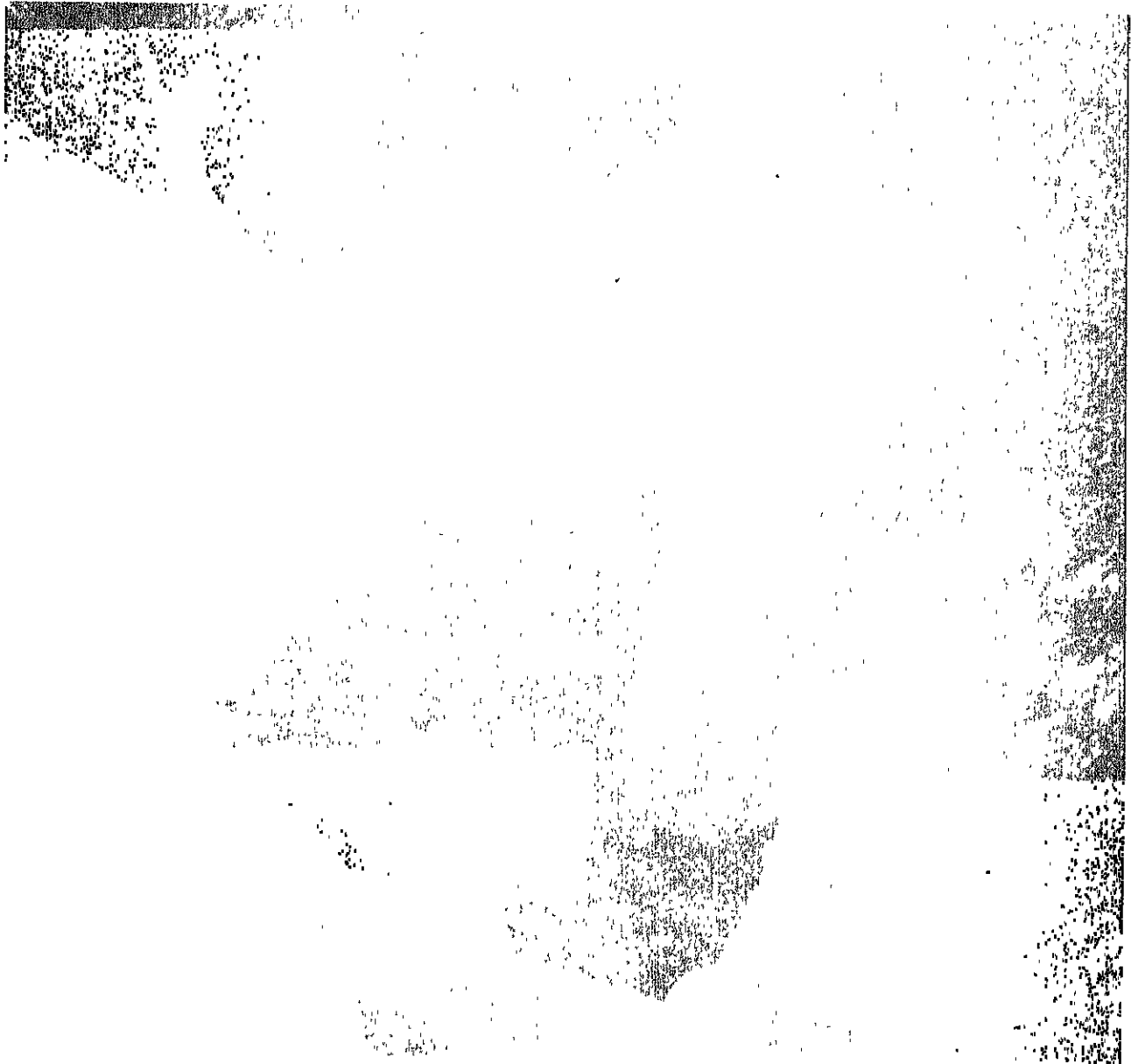
United States
Department of
Agriculture

SOIL
CONSERVATION
SERVICE

Casper,
Wyoming



Water Supply Outlook For Wyoming



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: "Spring is on the Way"

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Suite 129, Professional Bldg., 2221 E. Northern Lights Blvd., Anchorage, AK 99504
Arizona	3008 Federal Bldg., 230 N. 1st Ave., Phoenix, AZ 85025
Colorado (N. Mex.)	2490 West 26th Ave., Diamond Hill, Bldg. A, Denver, CO 80211
Idaho	Room 345, 304 N. 8th Street, Boise, ID 83702
Montana	Federal Bldg., Room 443, 10 East Babcock, Bozeman, MT 59715
Nevada	U.S. Post Office Bldg., 50 S. Virginia St., P.O. Box 4850, Reno, NV 89505
Oregon	Federal Bldg., 16th Floor, 1220 S.W. 3rd Ave., Portland, OR 97204
Utah	Room 4012, 125 So. State Street, Salt Lake City, UT 84138
Washington	360 U.S. Courthouse, West 920 Riverside Ave., Spokane, WA 99201
Wyoming	Room 3124, 100 East B Street, Casper, WY 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR WYOMING

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

PETER C. MYERS
Chief
Soil Conservation Service
Washington, D.C.

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Released by

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RIVER FORECAST CENTERS
KANSAS CITY, MO
SALT LAKE CITY, UT
PORTLAND, OR
NATIONAL WEATHER SERVICE

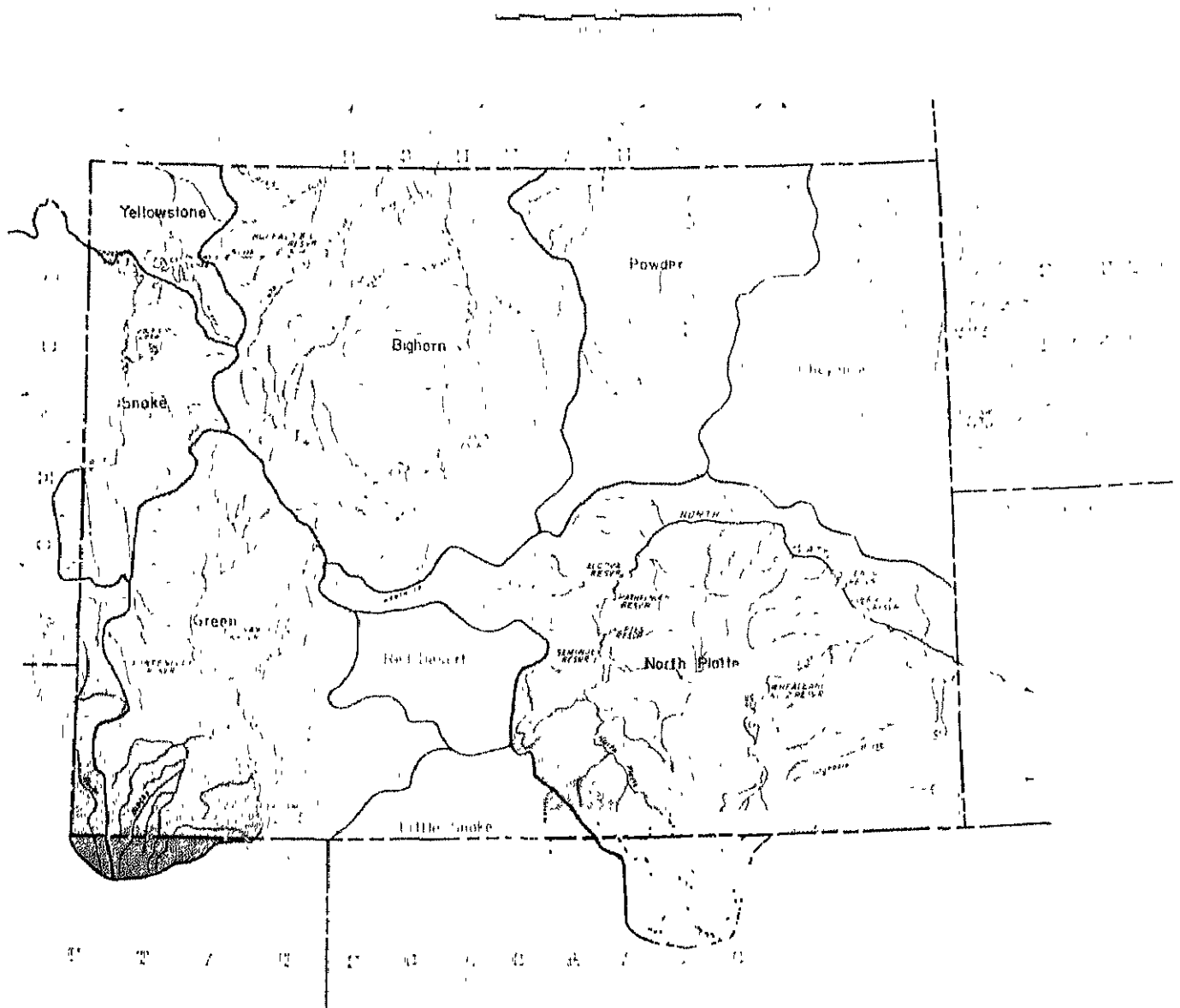
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Report prepared by





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PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD



FORECAST STREAM FLOW In Percent of Average

-  Below 80%
-  80% - 120%
-  Above 120%
-  Not Forecast or Non-Irrigated Mountain Areas

WYOMING SUMMARY

as of

FEBRUARY 1, 1984

* * * * *

* Well above average snowpacks of southern Wyoming diminish across the
* state to the north to amounts below average for February 1st. The outlook
* for spring and summer runoff follows the same pattern.
*

* * * * *

SNOWPACK

Heavy November and December storms established above average snowpack over most of Wyoming early this winter. January, however, has been very dry reducing January 1st snowpack comparisons to average by 10 to 60 percent for February 1st. A statewide average of 48 snow courses reports Wyoming snowpack at 3% below normal.

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Wind-blown snowpack, LaPrele Creek drainage

Snowpacks of 36% above normal in the Upper North Platte are the highest. Southwestern Wyoming snowpacks are also above normal while the rest of the state is near to below average. Upper Yellowstone and Clark's Fork snowpacks are lowest at nearly 40% below normal.

STREAMFLOW FORECASTS

The outlook for spring and summer streamflow ranges from 46 percent above normal on the Bear River to 20-30 percent above for the North Platte to 16 percent below normal for the Clark's Fork drainage. Only above average snowfalls and spring rains can prevent below normal streamflows in northern Wyoming this year.

PRECIPITATION

Low January precipitation totals brought some relief to the much above average seasonal totals. Largest amounts (1½ inch or less) were received in the Snake and Tongue drainages. Southwestern Wyoming is very dry, having received only traces to 75% of normal.

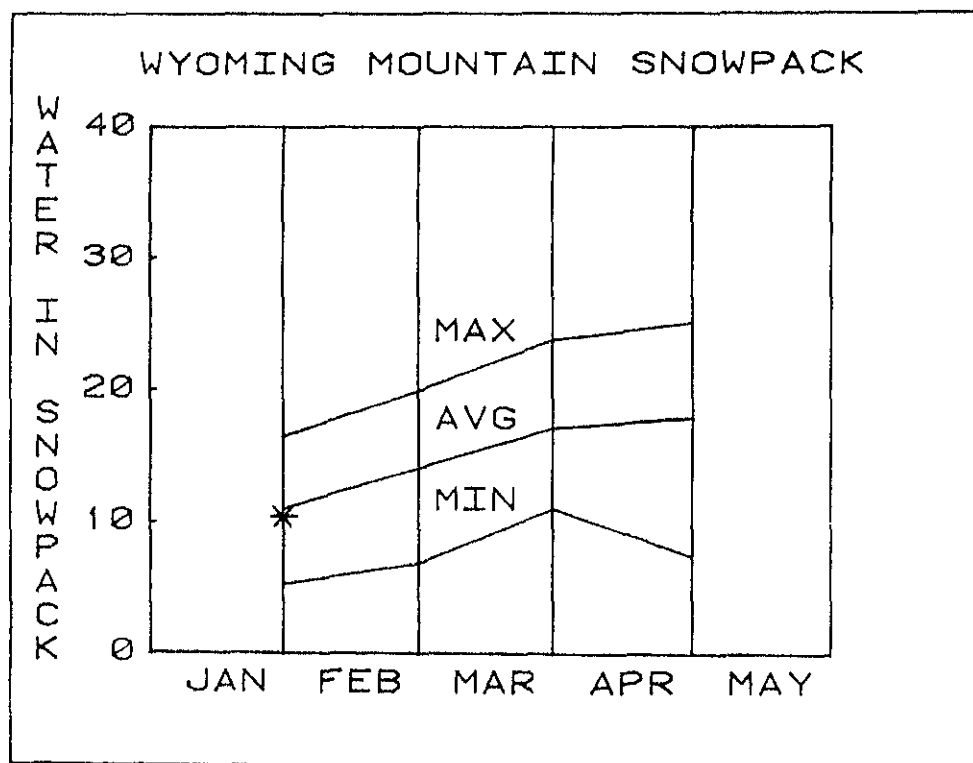
Seasonal totals through the end of December were as high as three times normal. Although light January increases have reduced the previous highs the seasonal averages still remain well above normal.

RESERVOIR STORAGE

Stored water in Wyoming reservoirs ranges from about one-half usual February 1st amounts for the Big Horn to 70 and 74 percent above usual volumes at Pathfinder and Seminoe respectively.

Reservoirs in the Cheyenne-Belle Fourche drainage are generally below average.

Forecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to water users and managers.

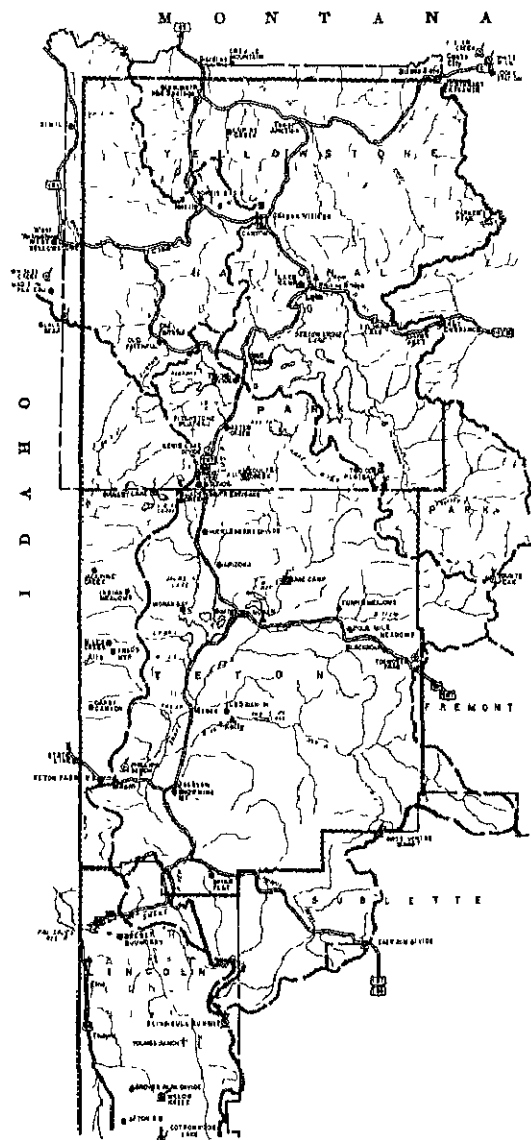
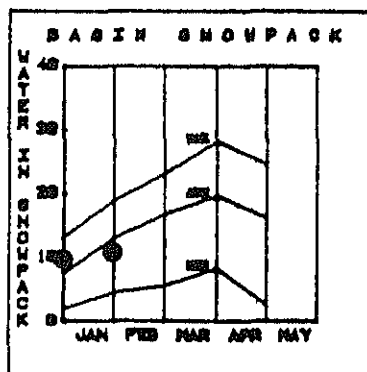


LOCATION MAP



LEGEND

- J Snow Course
 S Snow Sensor
 A Aerolink Antenna (AA)
 T Storage Precipitation Gauge (H)
 T Storm Gauging Station
 D Drainage
 H Highway
 --- Conservation District Boundary
 --- Watershed Boundary



YOUR WATER SUPPLY

Lack of typical snowfalls during January has greatly slowed snowpack accumulations. Percentage of average snowpack on January 1st of 96% for the Upper Yellowstone and 124% for the Upper Snake have deteriorated to 64% and 86% respectively. Streamflows are all forecasted at near to below normal. Reservoir storage is good.

SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Yellowstone River at Yellowstone Lake Outlet	718	87	April-Sept.	1105	826
Yellowstone River at Corwin Springs, MT	1800	89	April-Sept.	2497	2027
SNAKE River Near Moran (1)	820	93	April-Sept.	1191	885
SNAKE River above Palisades near Alpine (1)	2482	92	April-Sept.	3725	2709
SNAKE River at Heise, ID (2)	3780	94	April-Sept.	4946	4066
Pacific Creek at Moran	160	92	April-Sept.	336	174
Greys River above Palisades	376	95	April-Sept.	516	394
Salt River above Palisades near Etna	420	106	April-Sept.	606	394
Palisades Reservoir Inflow (1)	3525	93	April-Sept.	5506	3798
Swift Creek near Afton	51	108	May-Sept.	-	45

(1) Observed flow plus change in storage in Jackson Lake.

(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Madison (WY. only)	4	87	69
Yellowstone	8	79	64
SNAKE abv. Jackson Lake	9	90	86
Pacific Creek	2	101	99
Gros Ventre	3	102	91
Hohack River	7	112	91
Greys River	4	114	90
Salt River	5	129	108

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Grassy Lake	15.1	13.9	12.3	10.4
Jackson Lake	624.4	489.9	497.8	612.5
Palisades	1200.0	966.4	1092.2	907.8

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Water Content (inches)	
				Last Yr	Ave†
Afton R.S.	1/31	22	4.5	2.6	3.4
Arizona	1/30	42	11.8	14.1	13.3
Aster Creek	1/30	49	15.5	18.5	20.9
Base Camp	1/31	38	11.0	12.4	14.7
Base Camp SNOTEL	2/01	-	10.3	10.8	-
Blackrock	1/31	50	15.0	14.3	14.9
Blind Bull Summit Aerial	1/31	50	16.0	13.0	19.2
Blind Bull SNOTEL	2/01	-	16.3	17.1	-
Byron Flat	1/26	26	6.3	4.1	6.7
Canyon SNOTEL	1/29	31	7.2	7.9	11.2
Cottonwood Lake Aerial	1/31	44	12.3	14.3	12.4
Cottonwood Lake SNOTEL	2/01	-	15.5	17.7	-
Coulter Creek	1/30	46	13.8	14.0	13.8
Coulter Creek SNOTEL	-	Not Measured	-	-	-
East Entrance	1/30	22	5.2	6.9	7.7
East Rim Divide	1/30	28	7.2	5.6	9.5
Four Mile Meadows	1/31	32	8.1	7.5	9.4
Glade Creek	1/30	49	15.4	16.1	15.9
Grassy Lake	1/30	67	22.0	22.9	24.2
Grassy Lake SNOTEL	2/01	-	21.8	21.8	-
Greys Boundary	1/31	36	10.2	7.0	8.1
Gros Ventre Summit	1/31	33	8.0	8.0	8.5
Grover Park Divide	1/31	35	10.4	6.0	8.6
Huckleberry Divide	1/30	45	13.0	14.3	15.0

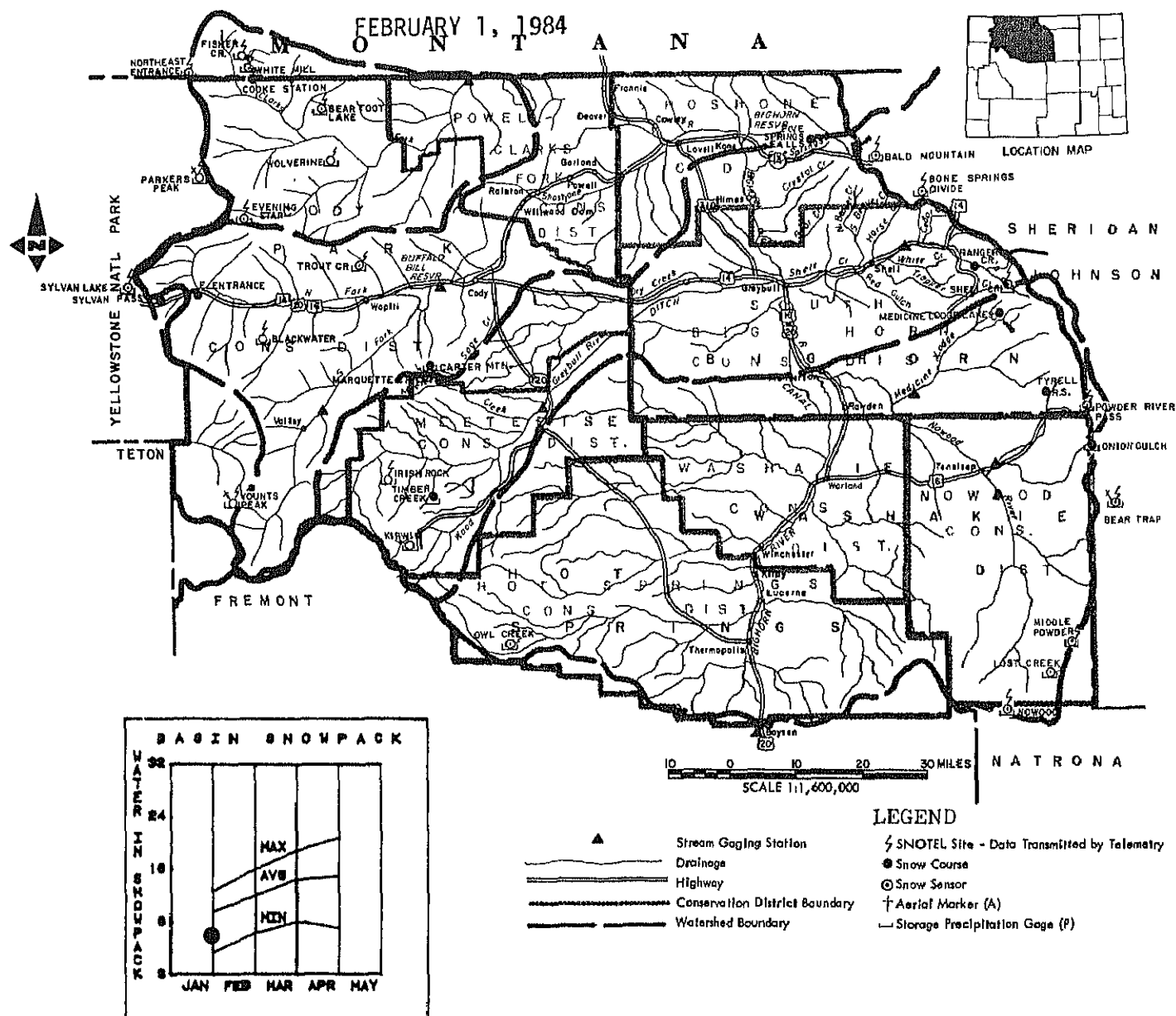
SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Water Content (inches)	
				Last Yr	Ave†
Lake Camp	1/28	24	3.6	5.1	6.4
Lewis Lake Divide	1/30	69	23.8	26.6	28.4
Lewis Lake Divide SNOTEL	2/01	-	19.9	-	-
Lupine Creek	2/02	21	4.8	5.5	7.7
Moran	1/31	33	8.9	7.4	5.4
Norris Basin (Old)	1/29	25	5.2	6.1	8.1
Northeast Entrance	1/31	21	4.4	6.4	7.2
Old Faithful	1/31	26	4.9	10.0	10.8
Parkers Peak SNOTEL	-	Not Measured	-	-	-
Phillips Bench	1/26	59	17.7	17.8	19.6
Phillips Bench SNOTEL	2/01	-	15.2	16.6	-
Pitchstone Aerial	-	Not Measured	-	-	-
SNAKE River Station	1/30	43	13.0	13.9	14.6
Snow King Mountain	1/27	37	9.2	9.1	10.7
Sylvan Lake SNOTEL	2/01	-	13.5	14.3	-
Sylvan Pass	1/30	26	6.2	8.6	9.7
Teton Pass W.S.	1/27	59	19.1	17.0	17.7
Thumb Divide	1/30	35	9.6	12.2	14.6
Togwotee Pass	1/31	58	18.8	18.1	20.2
Togwotee Pass SNOTEL	2/01	-	15.4	15.4	-
Turpin Meadows	1/31	26	6.8	6.3	8.0
Two Ocean Plateau SNOTEL	2/01	-	16.0	-	19.5
Younts Ranch Aerial	1/31	33	9.6	10.3	12.6
Younts Peak SNOTEL	-	-	-	-	-

† Snow Data Period of Average 1961-80 (20 years).

- Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIG HORN BASIN IN WYOMING



YOUR WATER SUPPLY

Snowpacks are below normal, to poor - 87 to 60 percent of average. With average precipitation/snow from now on below normal streamflows are expected this spring and summer. Reservoirs are above normal except for the Big Horn which is about one-half the usual February 1st volume.

BIGHORN BASIN

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Wind River below Boysen (1)	1,163	100	April-Sept.	-	1163
Tensleep Creek near Ten Sleep	70	-	April-Sept.	-	-
Medicine Lodge Creek near Hyattville	185	-	April-Sept.	-	-
Shell Creek near Shell	72	90	April-Sept.	-	78
Greybull River at Meeteetse	194	90	April-Sept.	-	215
Shoshone River below Buffalo Bill Dam (2)	725	86	April-Sept.	578.1	845
Clarks Fork near Belfry	525	84	April-Sept.	-	628
South Fork Shoshone River near Valley	250	90	April-Sept.	264.9	278
Nowood River near Ten Sleep	66	93	March-Sept.	90.1	71*

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte, and Boysen Reservoirs; plus diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Clarks Fork	2	68	60
Shoshone	4	81	71
Nowood	5	79	76
Shell	4	86	87
Greybull	-	-	-
Bighorn Basin	14	83	79

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Boysen	549.9	361.2	347.0	348.0
Buffalo Bill	373.1	272.1	299.9	188.6
Bighorn	613.7	377.3	463.2	792.5

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC	
		Snow Depth (in.)	Water Cont. (in.)	Water Content (inches)	
				Last Yr	Ave.†
Bald Mountain	1/30	51	13.7	14.9	15.0
Bald Mountain SNOTEL	2/01	-	12.9	13.5	-
Bear Tooth Lake SNOTEL	2/01	-	10.8	13.4	-
Bear Trap Aerial	1/30	37	8.9	6.4	6.6
Beartrap Meadows SNOTEL	2/01	-	4.4	4.8	-
Blackwater SNOTEL	2/01	-	15.3	-	-
Bone Spring Divide	1/30	48	11.8	12.8	12.4
Bone Springs SNOTEL	2/01	-	10.2	8.6	-
Carter Mountain	1/01	-	4.0	2.6	3.4
Cooke Station MT	-	Not Avail	able	-	-
East Entrance	1/30	22	5.2	6.9	7.7
Evening Star SNOTEL	2/01	-	16.4	9.9	-
Fisher Creek MT	-	Not Avail	able	-	-
Five Springs Falls	-	Not Avail	able	-	-
Irish Rock SNOTEL	2/01	-	5.9	6.4	-
Kirwin SNOTEL	-	Not Avail	able	-	-
Lost Creek SNOTEL	2/01	-	8.9	11.5	-
Marquette Creek	1/29	24	6.0	6.0	5.4
Marquette SNOTEL	2/01	-	6.1	7.1	-
Medicine Lodge Lakes	1/30	29	5.9	8.8	8.2
Middle Powder	1/29	28	6.2	7.5	6.8
Middle Powder SNOTEL	2/01	-	7.6	8.1	-
Northeast Entrance MT	1/31	21	4.4	6.4	7.2

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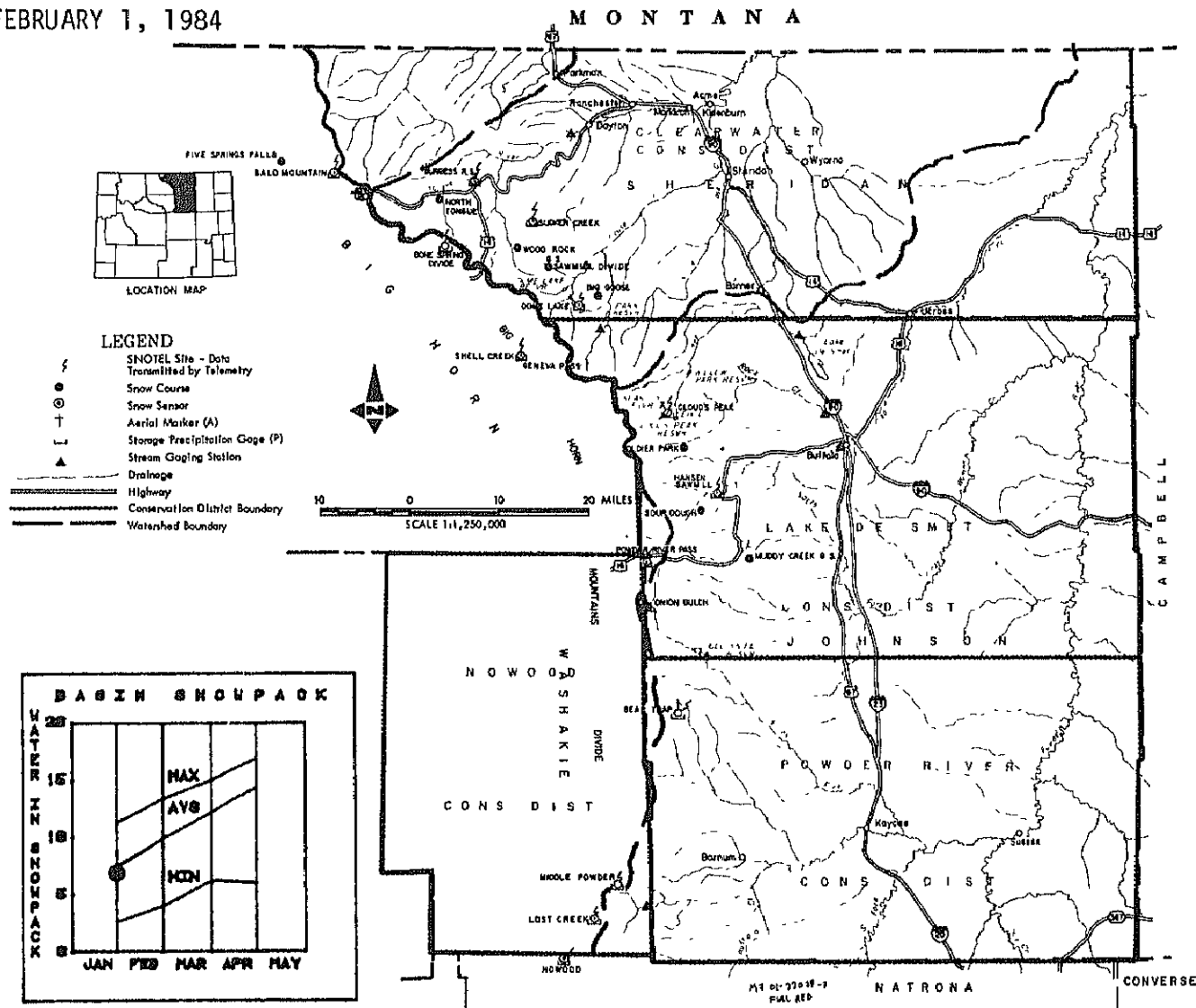
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC	
		Snow Depth (in.)	Water Cont. (in.)	Water Content (inches)	
				Last Yr	Ave.†
Nowood Creek SNOTEL	2/01	-	26.6	-	-
Onion Gulch	1/30	23	4.6	5.1	6.4
Owl Creek	1/30	15	3.6	2.6	3.4
Owl Creek SNOTEL	2/01	-	2.9	3.6	-
Parkers Peak Aerial					
Parkers Peak SNOTEL					
Powder River Pass	1/30	28	5.5	7.0	8.2
Powder River SNOTEL	2/01	-	5.6	7.3	-
Ranger Creek	1/30	23	4.8	6.7	7.1
Shell Creek	1/30	35	8.4	10.4	10.2
Shell Creek SNOTEL	2/01	-	9.2	10.6	-
Sylvan Lake SNOTEL	2/01	-	13.5	14.3	-
Sylvan Pass	1/30	26	6.2	8.6	9.7
Timber Creek	1/29	16	3.5	1.4	2.3
Trout Creek SNOTEL	2/01	-	3.2	3.6	-
Tyrell Ranger Station	1/30	24	4.9	6.0	6.0
White Mill MT	-	Not Avail	able	-	-
Wolverine	1/29	26	5.7	8.4	9.7
Wolverine SNOTEL	2/01	-	5.6	7.6	-
Younts Peak Aerial	-	DISCONTINUED			
Younts Peak SNOTEL	N.R.				12.9

+ Period of Average 1961-1980 (20 years).

* Less than 20 Year Average.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE POWDER AND TONGUE WATERSHEDS IN WYOMING

FEBRUARY 1, 1984



YOUR WATER SUPPLY

The outlook for spring and summer runoff is just below average (90-96%). Snowpacks have received little increase during January and are all below normal.

POWDER AND TONGUE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Tongue River near Dayton (1)	118	96	April-Sept.	-	123
Middle Fork Powder River near Barnum	19	90	April-Sept.	26.6	21
North Fork Powder River near Hazelton	9.8	92	April-Sept.	10.8	10.6
Clear Creek near Buffalo	36	91	April-Sept.	43.9	40
Rock Creek near Buffalo	24	96	April-Sept.		25
Piney Creek at Yearny	50	90	April-Sept.		55
Little Bighorn at Hardin, MT	173	95	April-Sept.	-	182

(1) Observed flow plus diversion to Highline Ditch.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(1) **PAK TUN WITH HEVI 5 YEARS

DRAINAGE BASIN and/or SNOW COURSE	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Tongue River	5	88	86
Middle Fork Powder	2	97	90
North Fork Powder	2	85	70
Clear Creek	1	87	77
Rock Creek	1	93	93

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average
- No Reservoir Data -				

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC	
		Snow Depth (in.)	Water Content (in.)	Last Yr	Ave.†
Little Mountain	1/26	51	13.7	14.9	15.0
Little Mountain SNOTEL	2/01	-	12.9	13.5	-
Rocky Top Area	1/30	97	8.9	6.4	6.6
Rocky Top SNOTEL	2/01	-	4.4	4.8	-
Flat Top	1/25	25	5.4	3.8	4.7
Flat Top SNOTEL	1/30	48	11.8	12.8	12.4
Flat Top SNOTEL	2/01	-	10.2	8.6	-
Flat Top Range Station	1/25	20	4.3	4.7	5.3
Flat Top SNOTEL	2/01	-	5.7	-	-
Flat Top SNOTEL	1/30	36	7.7	9.6	6.7
Cloud Peak SNOTEL	2/01	-	7.3	7.5	-
Deer Lake	1/25	26	5.2	4.8	6.3
Deer Lake SNOTEL	2/01	-	7.7	7.2	-
Flat Springs Falls	-	Not Measured			
Flat Pass Area	1/30	42	10.5	10.8	10.9
Flat Pass SNOTEL	2/01	-	4.0	3.0	-
Flat Creek SNOTEL	2/01	-	8.9	11.5	-
Middle Powder	1/29	28	6.2	7.5	6.8
Middle Powder SNOTEL	2/01	-	7.6	8.1	-
Middle Creek G.	1/30	13	2.4	2.2	2.8
North Tongue	1/25	30	6.5	9.1	8.9
North SNOTEL	2/01	-	26.6	-	-
North Gulch	1/30	23	4.6	5.1	6.4
Powder River Pass	1/30	28	5.5	7.0	8.2

SNOW

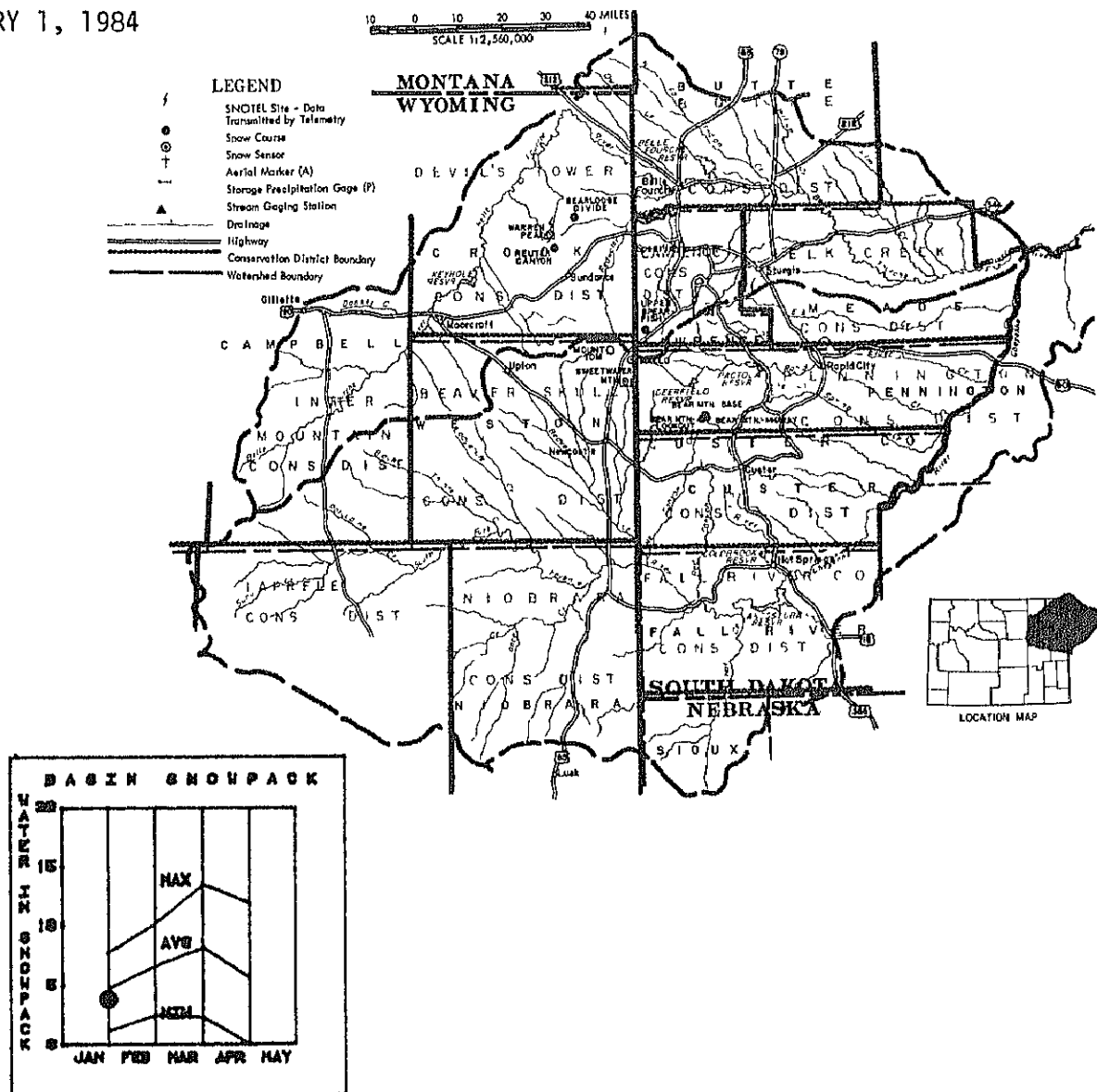
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC	
		Snow Depth (in.)	Water Cont (in.)	Last Yr	Ave.†
Powder River Pass SNOTEL	2/01	-	5.6	7.3	-
Sawmill Divide	1/25	37	8.5	9.2	10.0
Shell Creek	1/30	35	8.4	10.4	10.2
Shell Creek SNOTEL	2/01	-	9.2	10.6	-
Soldier Park	1/30	18	3.4	3.0	4.0
Sour Dough	1/31	20	3.9	4.6	4.5
Sucker Creek	1/31	35	8.1	6.7	8.0
Sucker Creek SNOTEL	-	Not Measured			

† Percent of Average 1961-1980 (20 years).

* Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS IN WYOMING AND SOUTH DAKOTA

FEBRUARY 1, 1984



YOUR WATER SUPPLY

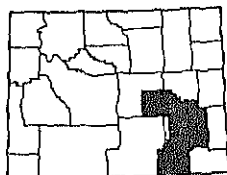
Snowpack in northeastern Wyoming is 20 percent below usual. Streamflows will also be less than normal. Reservoir storage is good with Keyhole the exception, having less than one-half its usual February 1st volume.

STREAMFLOW FORECASTS

+ Period of Average 1961-1980 (20 years)
* Less than 20 Year Period.

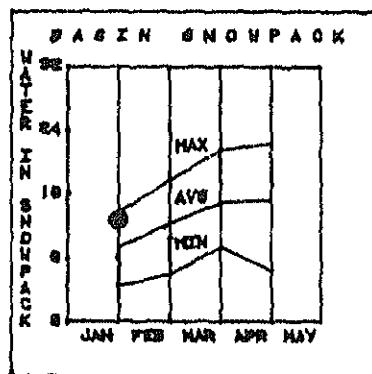
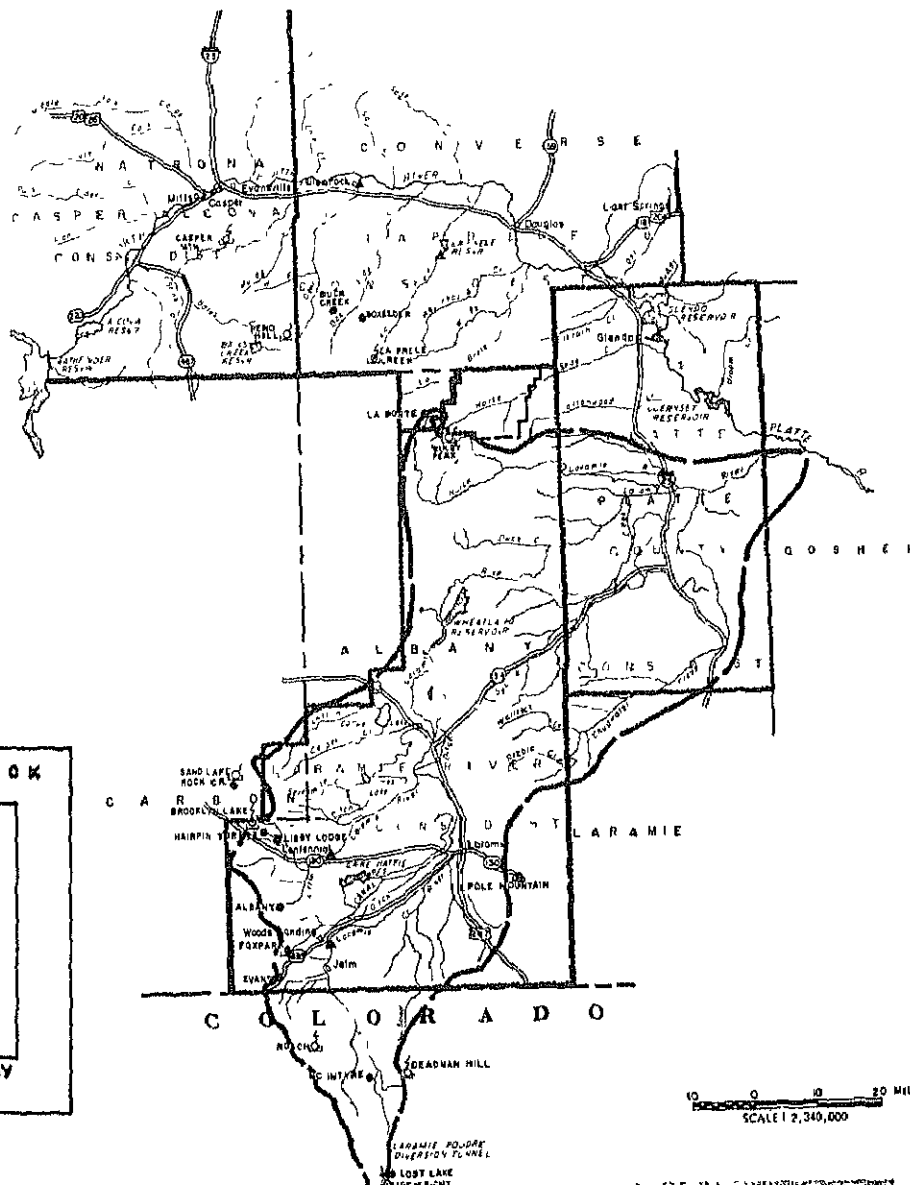
WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER NORTH PLATTE RIVER WATERSHED IN WYOMING

FEBRUARY 1, 1984



LOCATION MAP

- LEGEND**
- SNOTEL Site - Data Transmitted by Telemetry
 - Snow Course
 - Snow Sensor
 - Storage Precipitation Gauge (P)
 - Stream Gaging Station
 - Drainage
 - Highway
 - Conservation District Boundary
 - Watershed Boundary



YOUR WATER SUPPLY

12 to 39 percent above average snowpacks prevail in spite of poor January increases. Streamflows are forecast in the 11 to 30 percent above average range. Pathfinder and Seminoe reservoirs currently contain 70 and 74%, respectively, above average volumes.

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS		THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Sinclair	873	123	April-Sept.	1,299.2	710
Deer Creek at Glenrock	55	124	March-July	105	44
LaPrele Creek near Douglas (Abv. Reservoir)	36	129	April-July	-	28
Laramie River & Pioneer Canal near Woods (1)	172	130	April-Sept.	262.2	132
Little Laramie River near Filmore	72	111	April-Sept.	104.2	65

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper Laramie	7	135	139
Little Laramie	4	178	112
Laramie River (Total)	11	147	128
Lower North Platte	4	95	121
North Platte above Laramie River	12	128	130

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average
Seminole	1017.3	786.8	626.2	451.6
Pathfinder	1015.5	920.9	629.6	540.8
Alcova	30.7	-	1.8	-
Glendo	783.7	416.7	314.2	333.1
Guernsey	45.2	1.6	7.2	7.2
Wheatland #2	98.9	70.3	62.9	47.1
PROJECT WATER OWNERSHIP				
North Platte Project	1016.1	1090.0	792.1	-
Kendrick Project	1201.6	1012.1	685.5	-
Glendo Project Users	454.3	51.1	143.3	-

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC	
	Date of Survey	Snow Depth (In)	Water Cont (In)	Water Content (inches)	
				Last Yr.	Avg.
Albany	1/25	42	13.3	5.8	11.1
Boxelder	1/31	27	7.1	5.9	4.4
Brooklyn Lake	1/26	50	14.8	9.7	14.9
Brooklyn Lake SNOTEL	2/01	-	17.8	17.5	-
Buck Creek	1/31	30	6.6	9.2	6.7
Cameron Pass	1/30	64	23.8	17.1	17.7
Casper Mountain	1/31	30	7.8	11.8	9.0
Casper Mountain SNOTEL	2/01	-	8.7	12.8	-
Deadman Hill, CO	1/31	40	12.6	8.2	10.5
Evans					
Foxpark	1/25	28	8.3	3.3	4.8
Hairpin Turn	1/26	42	13.0	8.2	11.8
Joe Wright, CO	1/30	64	22.2	17.0	15.2
LaBonte	1/29	26	7.6	3.8	3.9
LaPrele SNOTEL	2/01	-	10.1	9.6	-
Libby Lodge	1/26	35	10.3	5.2	8.2
Lost Lake, CO					
McIntyre, CO					
Pole Mountain	1/25	32	9.1	5.2	4.5
Roach	1/27	56	16.0	9.2	12.0
Rock Creek	1/28	64	23.1	20.2	16.6
Sand Lake SNOTEL	2/01	-	24.3	-	-
Windy Peak SNOTEL	2/01	-	6.3	4.3	-

SNOW

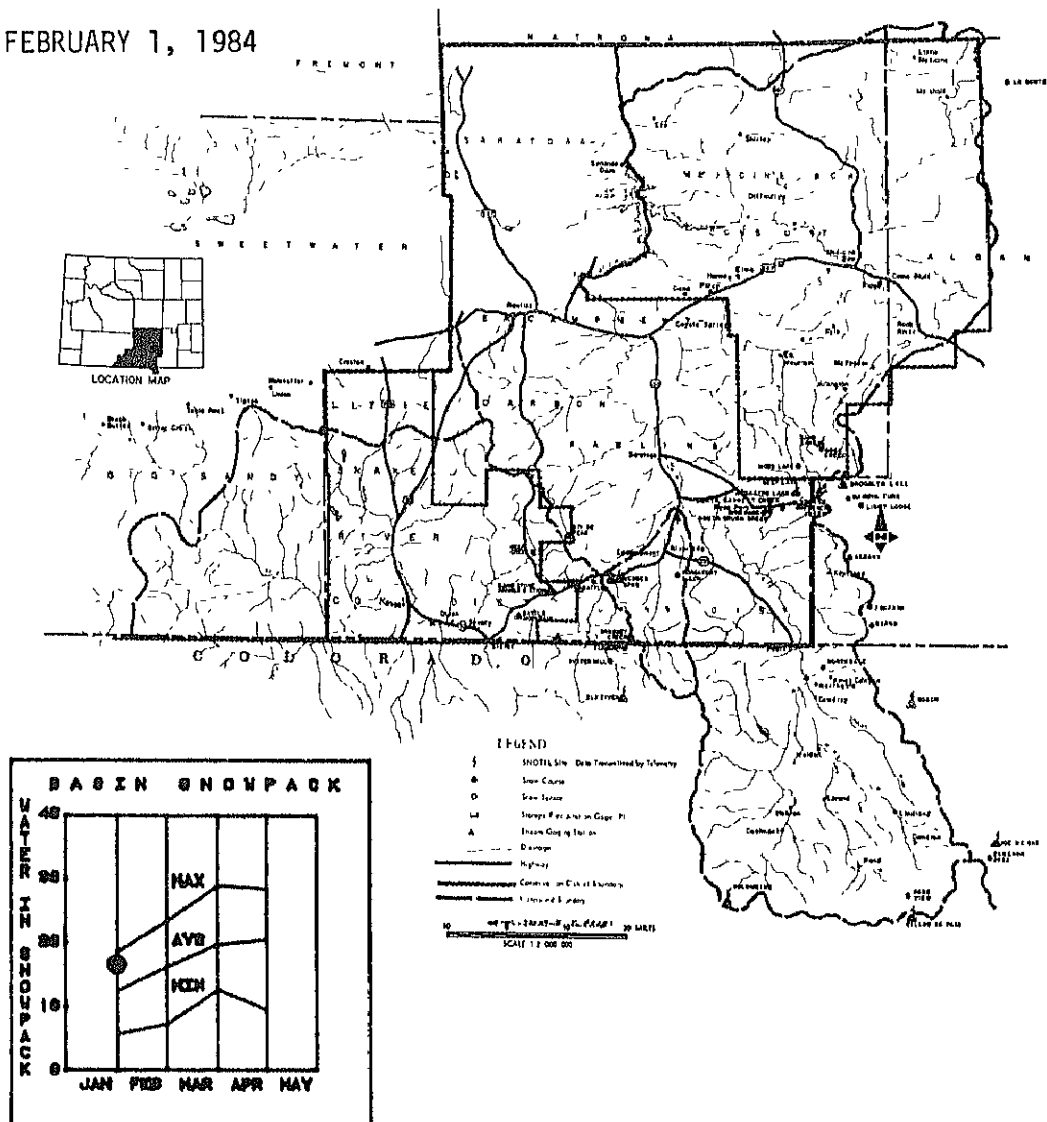
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+ Period of Average 1961-1980 (20 years).

* Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS IN WYOMING

FEBRUARY 1, 1984



YOUR WATER SUPPLY

Prospects for streamflow this summer are excellent with snowpacks as high as 52% above normal (Brush Creek), good soil moisture, and much above average reservoir storage at Seminoe (74% above average).

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Northgate	320	122	April-Sept.	512.3	262
North Platte River near Sinclair	873	123	April-Sept.	1,299.2	710
Encampment River near Encampment	194	124	April-Sept.	217.0	156
Rock Creek near Arlington	65	112	April-Sept.	86.9	58
Little Snake near Dixon (1)	408	127	April-Sept.	-	320
Little Snake near Slater, Colo. (1)	207	131	April-Sept.	-	158

(1) Observed flow plus transbasin diversion.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper North Platte	14	155	136
Encampment	3	145	118
Brush Creek	3	145	152
Medicine Bow and Rock Creeks	4	119	119
North Platte above Laramie River	12	128	130
Little Snake River	2	147	124

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1017.3	786.8	626.2	451.6

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC	
		Snow Depth (in.)	Water Cont (in.)	Water Content (inches)	
				Last Yr.	Ave†
Albany	1/25	42	13.3	5.8	11.1
Battle Mountain	1/27	44	12.9	7.8	-
Brooklyn Lake	1/26	50	14.8	9.7	14.9
Brooklyn Lake SNOTEL	2/01	-	17.8	17.5	-
Butter Hill	1/26	47	12.9	7.9	-
Cameron Pass, CO	1/30	64	23.8	17.1	17.7
Columbine Lodge, CO	1/25	62	20.3	11.5	15.3
Deep Creek	1/27	52	14.8	9.2	9.9
Deep Lake	1/26	86	29.4	22.8	27.4
Elkhorn	1/26	65	19.6	14.0	-
Elk River, CO	1/24	51	13.6	7.8	12.0
Evans	-	DISCONTINUED			
Foxpark	1/25	28	8.3	3.3	8.3
Hairpin Turn	1/26	42	13.0	8.2	11.8
Haskins Creek	1/27	86	27.4	19.6	-
Joe Wright CO	1/30	64	22.2	17.0	15.9
LaBonte	1/29	26	7.6	3.8	3.9
Libby Lodge	1/26	35	10.3	5.2	8.2
Moss Lake	1/28	63	22.9	23.4	16.9
North Barrett Creek	1/30	50	18.2	13.4	14.1
North French Creek SNOTEL	2/01	-	26.6	17.7	15.0
Northgate, CO	1/30	24	5.4	2.4	4.1

SNOW

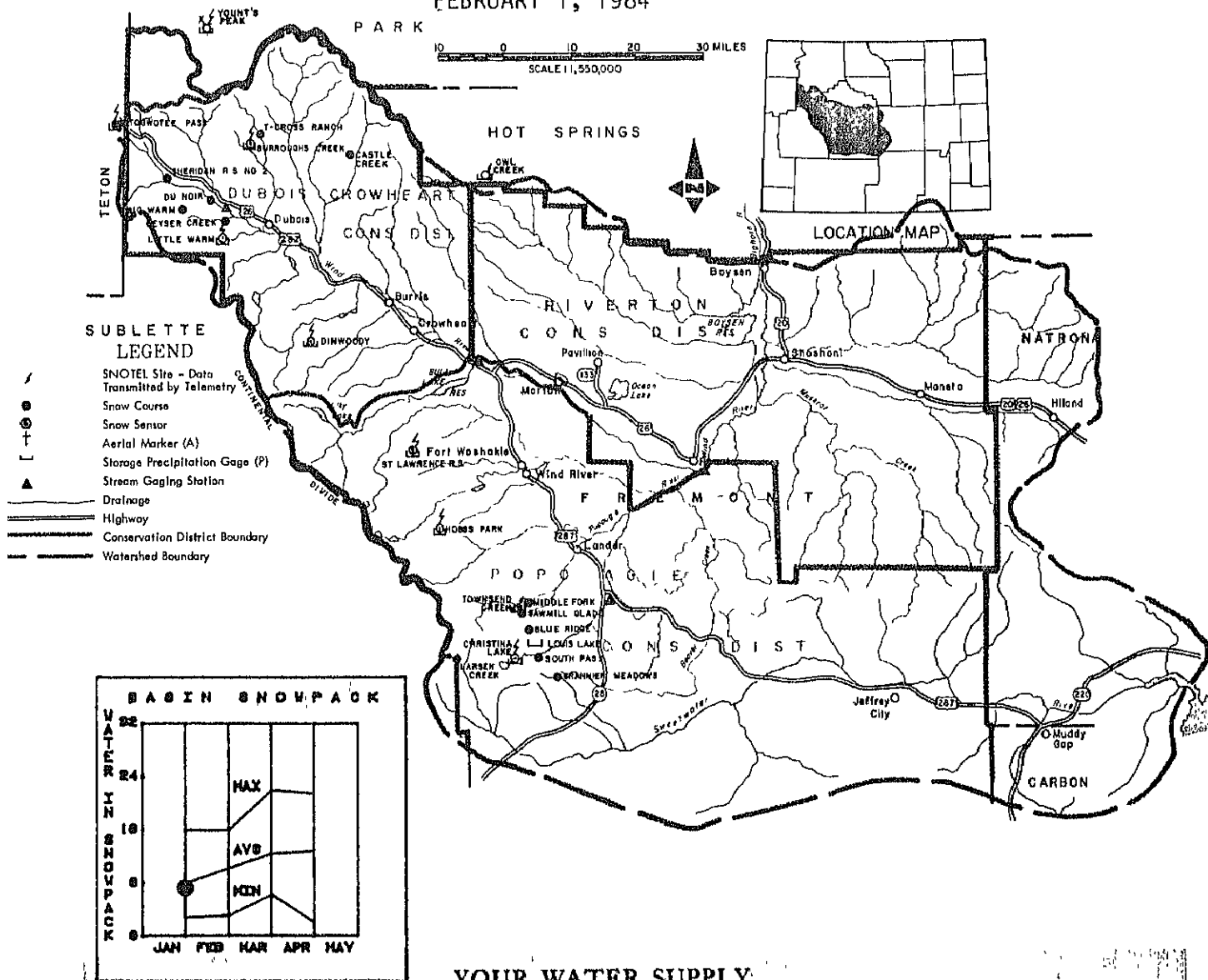
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC	
		Snow Depth (in.)	Water Cont (in.)	Water Content (inches)	
				Last Yr.	Ave†
Old Battle	2/2	75	29.1	20.6	22.5
Old Battle SNOTEL	2/1	-	30.3	21.7	-
Parkview CO	1/30	31	7.6	4.9	6.1
Purgatory Gulch	1/30	31	7.6	4.9	1.9
Roach, CO	1/27	56	16.0	20.3	20.4
Rock Creek	1/28	64	23.1	20.2	16.6
Ryan Park	1/30	39	11.5	7.7	7.9
Sand Lake SNOTEL	2/1	-	24.3	-	-
Sandstone Ranger Station	1/27	51	14.4	9.1	-
South Brush Creek SNOTEL	2/1	-	9.8	9.8	6.8
Webber Spring	2/2	50	16.6	11.3	15.0
Webber Spring SNOTEL	2/1	-	18.3	16.0	-
Whiskey Creek	1/26	78	25.2	16.2	-
Willow Creek Pass, CO	1/30	40	10.8	6.7	8.1

† Period of Average 1961-1980 (20 years).

* Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

FEBRUARY 1, 1984



With normal snowfalls and spring precipitation, streams in this basin will flow very near normal amounts this summer. Streamflows during the fall of 1983 have all been above normal keeping reservoirs at above normal volumes.

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Wind River near Dubois	104	98	April-Sept.	106.6	106
Wind River at Riverton (1)	690	102	April-Sept.	-	678
Wind River below Boysen (2)	1,163	100	April-Sept.	-	1163
Bull Lake Creek near Lenore (3)	197	105	April-Sept.	-	188
Little Popo Agie near Lander	55	104	April-Sept.	-	53

- (1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal
 (2) Observed flow plus change in storage in Bull Lake, Pilot Butte, and Boysen Reservoirs; plus diversion to Wyoming Canal.
 (3) Observed flow plus change in storage in Bull Lake.
 ** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper Wind River	4	110	89
Popo Agie	4	189	123
Wind above Boysen	15	132	96
Sweetwater	3	105	93

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Bull Lake	151.8	106.6	107.8	93.3
Pilot Butte	31.6	19.3	21.4	14.7
Boysen	549.9	361.2	347.0	348.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Water Content (inches)	
				Last Yr.	Ave.
Big Warm Springs	1/30	18	3.4	2.6	4.7
Blue Ridge	1/27	35	9.5	5.0	8.4
Burroughs Creek	1/29	31	7.8	7.2	10.3
Burroughs Creek SNOTEL	2/1	-	8.3	7.9	-
Castle Creek	1/29	15	2.2	.8	3.2
Christina Lake SNOTEL	2/1	-	10.6	10.9	-
Dinwoody	1/31	30	7.6	6.5	7.9
Dinwoody SNOTEL	2/1	-	5.7	7.5	-
Dunoir	1/30	27	5.6	3.2	6.1
Geyser Creek	1/30	22	4.4	2.4	5.3
Grannier Meadows	1/26	37	10.1	8.1	9.8
Hobbs Park	1/31	36	9.2	7.8	9.3
Hobbs Park SNOTEL	2/1	-	8.1	8.9	-
Larsen Creek	1/31	26	6.6	9.4	8.9
Little Warm	1/30	41	10.6	9.2	10.8
Little Warm SNOTEL	-	Not Avail	able	-	-
Middle Fork	1/27	31	7.3	2.4	3.9
Owl Creek	1/30	15	3.6	2.6	3.4
Owl Creek SNOTEL	2/1	-	2.9	3.6	-
Sawmill Glade	1/27	29	7.7	2.6	5.9
Sheridan Ranger Station	1/30	20	4.6	3.6	5.5
Sheridan Ranger Sta. (new)	1/30	18	3.6	3.2	-

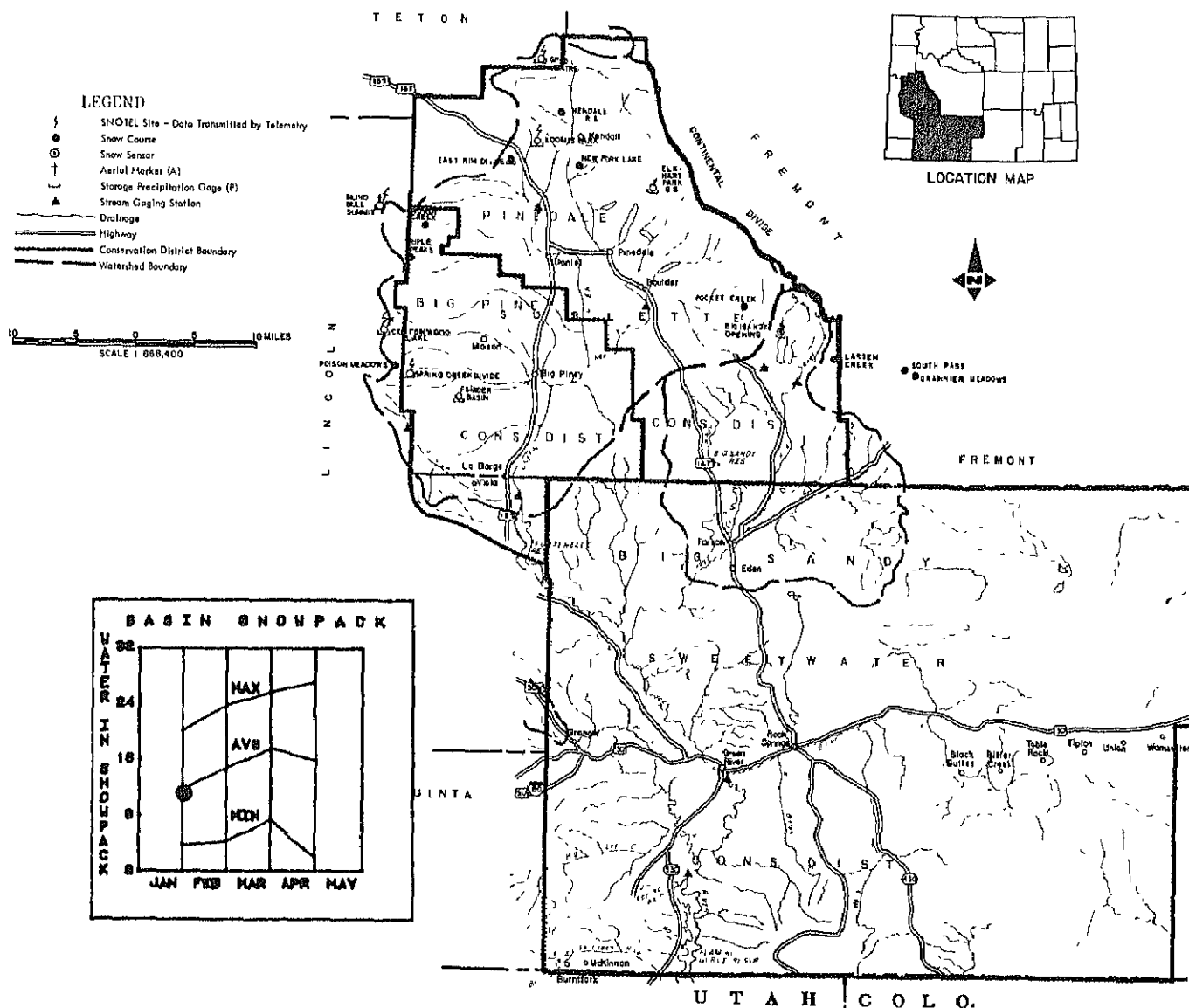
SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Water Content (inches)	
				Last Yr.	Ave.
South Pass	1/26	42	11.0	9.2	11.3
St. Lawrence Ranger Sta.	1/27	26	6.9	3.0	4.6
St. Lawrence R.S. SNOTEL	2/1	-	7.4	5.2	-
T-Cross Ranch	1/29	21	3.8	3.8	5.7
Togwotee Pass	1/31	58	18.8	18.1	20.2
Togwotee Pass SNOTEL	2/1	-	15.4	15.4	-
Townsend Creek	1/27	30	7.9	2.9	-
Townsend Creek SNOTEL	2/1	-	7.9	3.0	-
Younts Peak	-	DISCONT	NUED	-	-
Younts Peak SNOTEL	-	Not Avail	able	-	12.9

+ Period of Average 1961-1980 (20 years).
 * Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER GREEN RIVER BASIN IN WYOMING

FEBRUARY 1, 1984



YOUR WATER SUPPLY

Snowpacks have slipped to below normal in the dryness of January. The outlook for spring and summer streamflow is likewise for near to below normal flows.

STREAMFLOW FORECASTS

(1) Observed flow plus change in storage in Fontenelle Reservoir.

SUMMARY of SNOW MEASUREMENTS

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

SNOW

SNOW

+ Period of Average 1961-1980 (20 years).

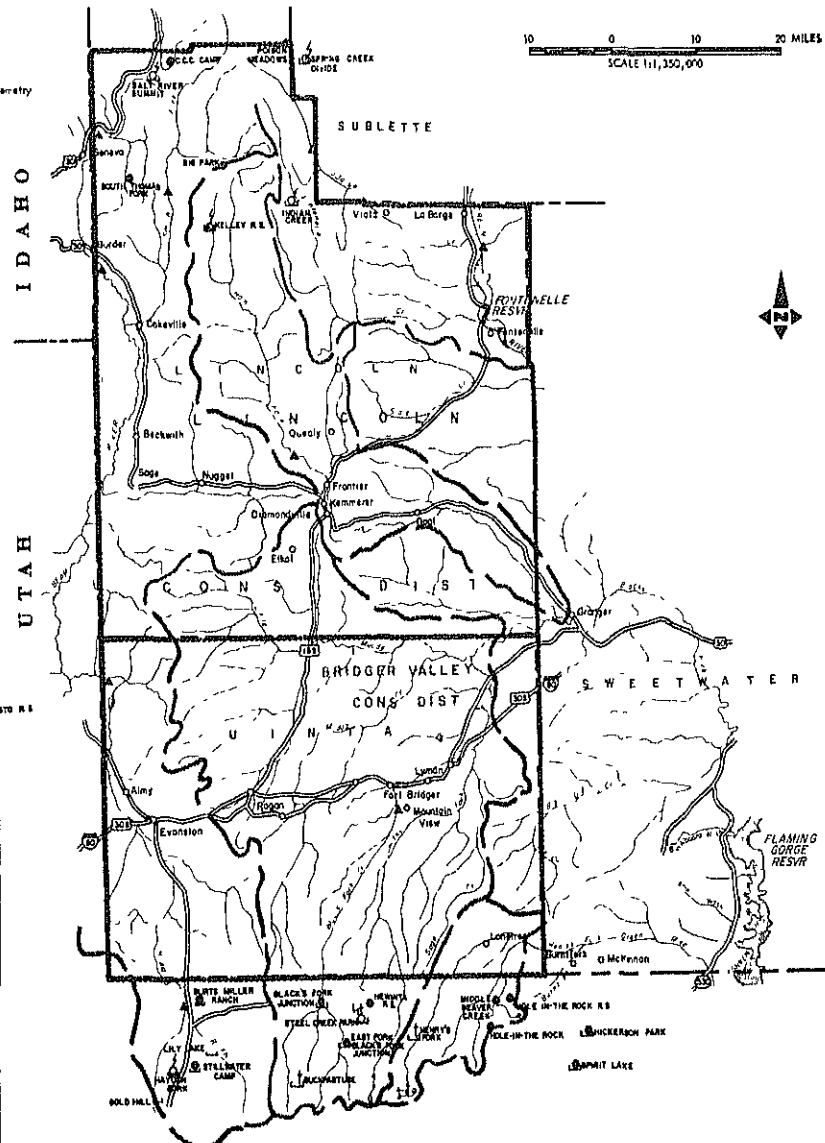
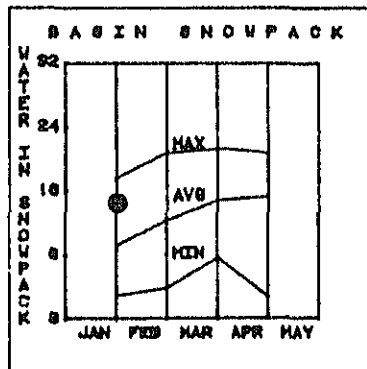
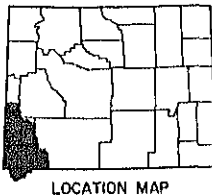
* Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS IN WYOMING

FEBRUARY 1, 1984

LEGEND

- ⚡ SHOTEL Site - Data Transmitted by Telemetry
- Snow Course
- Snow Sensor
- T Aerial Marker (A)
- LJ Storage Precipitation Gage (P)
- ▲ Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary



YOUR WATER SUPPLY

Very heavy snowpacks in the Uinta Mountains of northeast Utah indicate streamflows this summer at nearly one and one-half of normal in southwestern Wyoming.

1

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
LaBarge Creek at LaBarge Meadows	9.0	101	April-Sept.	-	8.9
Green River near Green River (1)	1040	96	April-Sept.	1615.6	1079
Hams Fork below Pole Creek, near Frontier	83	117	April-Sept.	107.2	71
Black Fork Near Milburne	122	136	April-July	145	90
Flaming Gorge Inflow	1700	136	April-July	-	1248
Smiths Fork near Border	129	108	April-Sept.	-	119
Thomas Fork near State Line	40	115	April-Sept.	-	35
Bear River at Utah-Wyoming State Line	161	146	April-July	164.0	110
Henry's Fork near Linwood, UT	67	140	April-Sept.	162.0	48

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Bear River	4	154	122
Smith & Thomas Forks	4	151	114
Hams Fork	3	135	111

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average
Fontenelle	344.8	163.9	233.1	273.7
Flaming Gorge	3749.0	3309.8	3214.8	-
Viva Naughton	26.0	7.7	20.6	-

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave.
Big Park	1/27	50	15.2	10.0	13.6
Blacks Fk. G.S.-E. Fk. UT	1/31	32	9.0	4.1	-
Blacks Fork Junction UT	1/31	33	9.1	4.2	-
Burts-Miller Ranch UT	1/30	20	6.0	2.4	4.3
CCC Camp	1/30	37	9.6	6.6	8.8
Hayden Fork UT	1/30	42	11.3	7.8	10.4
Hewinta Guard Station UT	1/31	33	8.9	4.9	-
Hickerson Park	2/2	27	7.7	4.9	5.8
Indian Creek SNOTEL	2/1	-	21.1	16.5	-
Kelley Range Station	1/27	47	14.0	10.8	12.7
Kelley Ranger Sta. SNOTEL	2/17	-	12.9	9.1	-
Monte Cristo UT	1/28	66	24.9	12.6	16.2
Poison Meadows	1/31	61	19.2	17.8	20.9
Salt River Summit	1/30	42	11.4	7.8	11.3
Salt River Summit SNOTEL	2/1	-	10.3	9.7	-
South Thomas Fork	1/30	40	12.4	9.1	12.1
Spirit Lake UT	1/31	32	9.0	9.3	-
Spring Creek Divide SNOTEL	2/1	-	16.7	15.1	-
Steel Creek Park UT	1/31	48	14.6	10.5	-
Stillwater Camp UT	1/30	32	9.1	5.0	7.4
Trial Lake UT	1/31	56	19.9	14.8	15.9

[illegible]

+ Period of Average 1961-1980 (20 years).
* Less than 20 Year Period.

S N O W C O U R S E D A T A

F E B R U A R Y 1 9 8 4

SNOWCOURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
AFTON RANGER STATION	5240	1/31	22	4.5	2.6	5.4
ALBANY	9120	1/25	42	13.3	5.8	11.1
ARIZONA	6825	1/30	42	11.8	14.1	13.3
ASTER CREEK	7750	1/30	49	15.5	18.5	20.9
BALD MOUNTAIN	9380	1/30	51	13.7	14.9	15.0
BALD MOUNTAIN SNOTEL	9380	2/01	-	12.9	13.5	-
BASE CAMP	7030	1/31	38	11.0	12.4	14.7
BASE CAMP SNOTEL	7030	2/01	-	10.3	10.8	-
BATTLE MOUNTAIN	7440	1/27	44	12.0	7.8	-
BEARLIDGE DIVIDE	4680	1/30	6	1.4	1.7	2.1
BEAR MTN. LOOKOUT SD	7150				-	-
BEARTOOTH LK. SNOTEL	9280	2/01	-	10.8	13.4	-
BEAR TRAP AERIAL	7900	1/30	37	8.4	6.4	5.6
BEARTRAP MOWS. CNL	7900	2/01	-	4.4	4.8	-
BIG GOOSE	7760	1/25	25	5.4	3.8	4.7
BIG PARK	8620	1/27	50	15.2	10.0	13.6
BIG SANDY OPENING	9080	1/31	33	8.0	9.2	10.0
BIG SANDY SNOTEL	9080				11.0	-
BIG WARM SPRINGS	8370	1/30	18	3.4	2.6	4.7
BLACKROCK	8900	1/31	50	15.0	14.3	14.9
BLACKS FK. E FK. UT	9300	1/31	32	9.0	4.1	-
BLACKS FORK JCT.	8930	1/31	33	9.1	4.2	-
BLACKWATER SNOTEL	9780	2/01	-	15.3	-	-
BLIND BULL SUMM AIR	8650	1/31	50	16.0	13.0	19.2
BLIND BULL SNOTEL	8650	2/01	-	16.3	17.1	-
BLUE RIDGE	9620	1/27	35	9.5	5.0	9.4
BONE SPRING DIVIDE	9350	1/30	48	11.8	12.8	12.4
BONE SPRINGS SNOTEL	9350	2/01	-	10.2	8.6	-
BOXELDER	7280	1/31	27	7.1	5.9	4.4
BROOKLYN LAKE	10220	1/26	50	14.8	9.7	14.9
BROOKLYN LK. SNOTEL	10220	2/01	-	17.8	17.5	-
CRYAN FLAT	6420	1/26	26	6.3	4.1	5.7
BUCK CREEK	7900	1/31	30	6.6	9.2	6.7
BURGESS RANGER STA	7880	1/25	20	4.3	4.7	5.3
BURGESS SNOTEL	7880	2/01	-	5.7	-	-
BURROUGHS CREEK	8750	1/27	31	7.8	7.2	10.3
BURROUGHS CRK SNOTEL	8750	2/01	-	8.3	7.9	-
BURTS MILLER RCH JT	7900	1/30	24	6.0	2.4	4.3
BUTTER HILL	7880	1/25	47	12.9	7.9	-
CAMERON PASS CO	10280	1/30	64	23.6	17.1	17.7
CANYON SNOTEL	7940	1/29	31	7.2	7.9	11.2
CARTER MOUNTAIN	7950	1/25	18	3.6	2.6	3.4
CASPER MOUNTAIN	7850	1/31	30	7.8	11.8	9.0
CASPER MTN. SNOTEL	7850	2/01	-	8.7	12.8	-

SNOWCOURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80

CASTLE CREEK	8400	1/29	15	2.2	0.8	3.2
CCC CAMP	7000	1/30	37	9.6	6.6	8.8
CHAMBERS LAKE CO	9000	1/30	24	7.9	14.2	5.4
CHRISTINA LK SNOTEL	9980	2/11	-	10.6	10.9	-
CLOUD PEAK AERIAL	9850	1/30	36	7.7	9.6	5.7
CLOUD PEAK SNOTEL	9850	2/01	-	7.3	7.5	-
COLUMBINE LODGE CO	9160	1/25	62	20.3	11.5	15.3
COOKE STATION MT	8150				-	15.3
COTTONWOOD LK AIR	7600	1/31	44	12.3	14.3	12.4
COTTONWOOD LK SNOTEL	7600	2/01	-	15.5	17.7	-
COULTER CREEK	7020	1/30	46	13.8	14.0	13.8
COULTER CREEK SNOTEL	7020				14.0	-
CREVICE MOUNTAIN VT	8400				-	-
DARBY CANYON	8250	1/30	53	17.3	15.6	15.3
DEADMAN HILL CO	10220	1/31	40	12.6	8.2	10.5
DEEP CREEK	7880	1/27	52	14.8	9.2	9.9
DEEP LAKE	10500	1/26	86	29.4	22.8	27.4
DINWOODY	10160	1/31	30	7.6	6.5	7.9
DINWOODY SNOTEL	10000	2/01	-	5.7	7.5	-
DOVE LAKE	8880	1/25	26	5.2	4.8	5.3
DOVE LAKE SNOTEL	8880	2/01	-	7.7	7.2	-
DU NOIR	8760	1/30	27	5.6	3.2	5.1
EAST ENTRANCE	6960	1/30	22	5.2	6.9	7.7
EAST RIM DIVIDE	7930	1/30	28	7.2	5.6	9.5
ELBO RANCH	7100				-	-
ELKHART PARK G.S.	9400	1/27	34	8.6	7.6	9.5
ELKHART PARK SNOTEL	9400	2/01	-	9.3	7.0	-
ELKHORN	8480	1/26	65	19.6	14.0	-
ELK RIVER CO	8600	1/24	51	13.6	7.8	12.0
EVENING STAR SNOTEL	9200	2/01	-	16.4	9.9	-
FISHER CREEK MT	9100				-	25.3
FOUR MILE MEADOWS	7860	1/31	32	8.1	7.5	9.4
FOX PARK	9060	1/25	28	8.3	3.3	4.9
FREDS MOUNTAIN	8000	1/30	-	18.5E	17.0	16.7
GENEVA PASS AERIAL	9400	1/30	42	10.5	10.8	10.9
GEYSER CREEK	8500	1/30	20	4.4	2.4	5.3
GLADE CREEK	7040	1/30	49	15.4	16.1	15.9
GRANNIER MEADOWS	8860	1/26	37	10.1	8.1	9.8
GRASSY LAKE	7270	1/30	67	22.0	22.9	24.2
GRASSY LAKE SNOTEL	7270	2/01	-	21.8	21.8	-
GREYS BOUNDARY	5720	1/31	36	10.2	7.0	9.1
GROS VENTRE SUMMIT	8750	1/31	33	8.0	8.0	8.5
GROS VENTRE SNOTEL	8750	2/01	-	10.6	11.8	-
GROVER PARK DIVIDE	7000	1/31	35	10.4	6.0	8.6
HAIRPIN TURN	9460	1/26	42	13.0	8.2	11.8

SNOWCOURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1951-50
HANSEN S.M. SNOTEL	876	2/01	-	4.0	5.0	-
HASKINS CREEK	896	1/27	86	27.4	19.6	-
HAYDEN FORK UT	9400	1/30	42	11.3	7.8	10.4
HEWINTA G.S. UT	9500	1/31	33	8.9	4.9	-
HICKERSON PARK UT	9100	12/02	27	7.7	4.9	-
HOBBS PARK	10100	1/31	36	9.2	7.8	9.3
HOBBS PARK SNOTEL	10100	2/01	-	8.1	8.9	-
HUCKLEBERRY DIVIDE	7300	1/30	45	13.0	14.3	15.0
INDIAN CREEK SNOTEL	9430	2/01	-	21.1	16.5	-
INDIAN MEADOWS	8420	1/30	75	28.3	30.8	24.5
IRISH ROCK SNOTEL	9800	2/01	-	5.9	6.4	-
JACKPINE CREEK	7350	1/30	47	14.7	15.9	15.2
JOE WRIGHT CO	10120	1/30	64	22.2	17.0	15.9
KELLEY RANGER STA.	8120	1/27	47	14.0	10.8	12.7
KELLEY R.S. SNOTEL	8180	2/01	-	12.9	9.1	-
KENDALL R.S.	7740	1/27	30	7.4	7.2	9.4
KIRWIN SNOTEL	9550				4.3	-
LA BOUTE	7750	1/29	26	7.6	3.8	3.9
LAKE CAMP	7780	1/29	24	3.6	5.1	5.4
LA PRELE SNOTEL	8380	2/01	-	10.1	9.6	-
LARSEN CREEK	9020	1/31	26	6.6	9.4	9.9
LEWIS LAKE DIVIDE	7850	1/30	69	23.8	26.6	28.4
LEWIS LAKE SNOTEL	7850	2/01	-	19.9	-	-
LIBBY LODGE	8750	1/26	35	10.3	5.2	9.2
LITTLE WARM	9620	1/30	41	10.6	9.2	17.3
LITTLE WARM SNOTEL	9620				6.4	-
LOOMIS PARK	8240	1/30	36	9.6	10.2	12.9
LOOMIS PARK SNOTEL	8240	2/01	-	9.2	8.3	-
LOST CREEK SNOTEL	8080	2/01	-	8.9	11.5	-
LUPINE CREEK	7380	12/02	21	4.8	5.5	7.5
MALLO PILLOW	6420	1/30	24	4.0	7.6	5.4
MARQUETTE CREEK	8760	1/29	24	6.0	6.0	5.4
MARQUETTE SNOTEL	8760	2/01	-	6.1	7.1	-
MCINTYRE CO	9120				-	5.5
MEDICINE LODGE LAKES	9340	1/30	29	5.9	8.8	9.2
MIDDLE FORK	7420	1/27	31	7.5	2.4	3.9
MIDDLE POWDER	7760	1/29	28	6.2	7.5	5.3
MIDDLE POWDER SNOTEL	7760	2/01	-	7.6	8.1	-
MONTE CRISTO UT	8960	1/28	56	24.9	12.6	15.2
MORAY	6750	1/31	33	8.9	7.4	5.4
MOSS LAKE	9880	1/28	63	22.9	23.4	15.9
MOUNT TOM PILLOW	5560	1/30	14	1.7	2.6	3.3
MUDDY CREEK G.S.	7820	1/30	13	2.4	2.2	2.8
NEW FORK LAKE	8340	1/30	28	5.0	7.2	9.5
NORRIS BASIN (OLD)	7500	1/29	25	5.2	6.1	8.1

SNOWCOURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-30
NORRIS BASIN (NEW)	7500	1/19	25	5.4	6.6	-
NORTH BARRETT CREEK	9430	1/31	50	18.2	13.4	14.1
NORTHEAST ENT. MT	7400	1/31	21	4.4	6.4	7.2
N. FRENCH CRK SNOTEL	10130	02/01	-	26.6	17.7	15.0
NORTHGATE CO	8500	1/30	24	5.4	2.4	4.1
NORTH TONGUE	8450	1/25	30	6.5	9.1	8.9
NOWOOD CREEK SNOTEL	8600	2/01	-	26.6	-	-
OLD BATTLE	9920	2/02	75	29.1	20.6	22.5
OLD BATTLE SNOTEL	9920	02/01	-	30.3	21.7	-
OLD FAITHFUL	7400	1/31	26	4.9	10.0	10.3
ONION GULCH	8780	1/30	23	4.6	5.1	5.4
OWL CREEK	8980	1/30	15	3.6	2.6	3.4
OWL CREEK SNOTEL	8980	2/01	-	2.9	3.6	-
PARKERS PEAK SNOTEL	9400				-	20.9
PARK VIEW CO	9200	1/30	31	7.6	4.9	5.1
PHILLIPS BENCH	8200	1/26	59	17.7	17.8	19.5
PHILLIPS BENCH SNTL	8200	2/01	-	15.2	16.6	-
POCKET CREEK	9350	1/27	36	8.6	9.6	8.9
POISON MEADOWS	8500	1/31	61	19.2	17.8	20.9
POLE MOUNTAIN	8360	1/25	32	9.1	5.2	4.5
POWDER RIVER PASS	9480	1/30	28	5.5	7.0	8.2
POWDER RIVER SNOTEL	9480	2/01	-	5.6	7.3	-
PURGATORY GULCH	8970	1/20	31	7.6	4.9	7.5
RABBIT EARS CO	9550	1/25	76	24.0	17.3	16.3
RANGER CREEK	8120	1/30	23	4.8	6.7	7.1
RENO HILL SNOTEL	8500	2/01	-	7.3	12.8	-
REUTER CANYON	6280	1/27	25	6.6	10.9	5.7
ROACH CO	9400	1/27	56	16.0	9.2	12.0
ROCK CREEK	9980	1/26	64	23.1	20.2	15.5
ROWDY CREEK	8300	1/31	48	13.4	11.4	15.4
RYAN PARK	8350	1/30	39	11.5	7.7	7.9
SALT RIVER SUMMIT	7700	1/30	42	11.4	7.8	11.3
SALT RIVER SNOTEL	7700	2/01	-	10.3	9.7	-
SAND LAKE SNOTEL	10090	2/01	-	24.3	-	-
SANDSTONE R.S.	8150	1/27	51	14.4	9.1	-
SAWMILL DIVIDE	9260	1/25	37	8.5	9.2	10.0
SAWMILL GLADE	8740	1/27	29	7.7	2.6	5.9
SHELL CREEK	9580	1/30	35	8.4	10.4	10.2
SHELL CREEK SNOTEL	9580	2/01	-	9.2	10.6	-
SHERIDAN R.S.	7720	1/30	20	4.6	3.6	5.5
SHERIDAN R.S. NEW	7750	1/30	18	3.6	3.2	-
SNAKE RIVER STATION	6920	1/30	43	13.0	13.9	14.5
SNIDER BASIN R.S.	8060	1/31	40	11.2	8.3	12.3
SNIDER BASIN SNOTEL	8060	2/01	-	9.3	-	-
SNOW KING MTN	7660	1/27	37	9.2	9.1	10.7

SNOWCOURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1951-30
SOLDIER PARK	8780	1/3	18	3.4	3.0	4.0
SOUR DOUGH	8460	1/31	20	3.9	4.6	4.5
SOUTH BRUSH SNOTEL	8440	2/01	-	9.8	6.8	-
SOUTH PASS	9040	1/26	42	11.0	9.2	11.3
SOUTH THOMAS FORK	7840	1/30	40	12.4	9.1	12.1
SPIRIT LAKE UT	10300	1/31	32	9.0	9.3	-
SPRING CRK. SNOTEL	9000	2/01	-	16.7	15.1	-
STATE LINE ID	666	02/01	37	10.7	9.8	10.0
STEEL CREEK PARK UT	10100	1/31	48	14.6	10.5	-
STILLWATER CAMP UT	8550	1/30	32	9.1	5.0	7.4
ST. LAWRENCE R.S.	890	1/27	26	6.9	3.0	4.5
ST. LAWRENCE SNOTEL	8550	2/01	-	7.4	5.2	-
SUCKER CREEK	888	1/31	35	8.1	6.7	8.0
SUCKER CREEK SNOTEL	8880				5.8	-
SWEETWATER PILLOW	5860	1/30	22	4.5	6.5	4.2
SYLVAN LAKE SNOTEL	842	2/01	-	13.5	14.3	-
SYLVAN PASS	7100	1/30	26	6.2	8.6	9.7
T-CROSS RANCH	7900	1/29	21	3.8	3.8	5.7
TETON PASS W.S.	7740	1/27	59	19.1	17.0	17.7
THUMB DIVIDE	738	1/30	35	9.6	12.2	14.5
TIMBER CREEK	795	1/29	16	3.5	1.4	2.3
TOGWOTEE PASS	9580	1/31	58	18.8	18.1	20.2
TOGWOTEE PASS SNOTEL	9580	2/01	-	15.4	15.4	-
TOWNSEND CREEK	8700	1/27	30	7.9	2.9	-
TOWNSEND CRK SNOTEL	8700	2/01	-	7.9	3.0	-
TRIAL LAKE UT	9960	1/31	56	19.9	14.8	15.9
TRIPLE PEAKS	8500	1/31	47	14.8	14.8	19.1
TROUT CREEK SNOTEL	8400	2/01	-	3.2	3.6	-
TURPIN MEADOWS	6900	1/31	26	6.8	6.3	8.0
TWENTY-ONE MILE MT	7150	1/28	36	9.2	11.0	13.5
TWO OCEAN SNOTEL	9160	2/01	-	16.0	-	19.5
TYRELL RANGER STA.	8300	1/30	24	4.9	6.0	5.0
UPPER SPEARFISH SD	6500				6.7	4.4
WARREN PEAK	6520	1/27	23	5.3	10.4	6.1
WARREN PEAK SNOTEL	6520				9.4	-
WEBBER SPRING	9250	2/02	50	16.6	11.3	15.0
WEBBER SPRING SNOTEL	9250	02/01	-	18.5E	16.0	-
WEST YELLOWSTONE MT	6700	1/28	28	7.2	8.2	9.5
WHISKY CREEK	8950	1/26	78	25.2	16.2	-
WHITE MILL MT	8700				-	20.2
WILLOW CREEK PASS CO	9500	1/30	40	10.8	6.7	8.1
WILLOW CRK SNOTEL WY	8450	2/01	-	25.4	10.9	-
WINDY PEAK SNOTEL	7900	2/01	-	6.3	4.3	-
WOLVERINE	765	1/29	26	5.7	8.4	9.7
WOLVERINE SNOTEL	765	2/01	-	5.6	7.6	-
WOOD ROCK G.S.	8440	1/30	27	5.2	7.6	7.0
YOUNGS RANCH AERIAL	660	1/31	33	9.0	10.3	12.5
YOUNTS PEAK SNOTEL	835				-	12.9

P R E C I P I T A T I O N D A T A

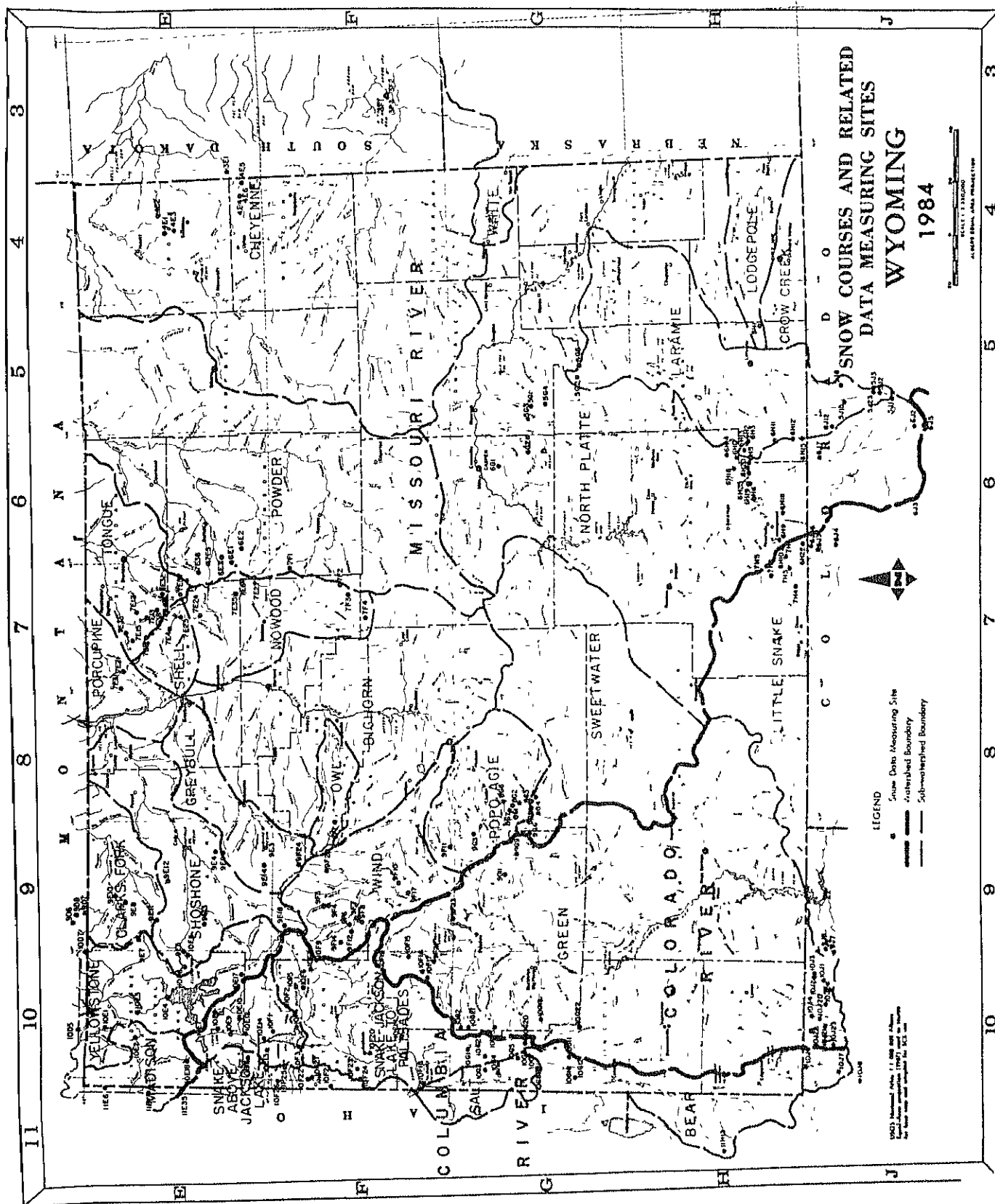
FEBRUARY 1, 1984

PRECIPITATION STATION	JANUARY		WATER YEAR	
	THIS YEAR	61-80 AVERAGE	TOTAL TO DATE	61-80 AVERAGE
Alva		NO REPORT		
Bald Mountain SNOTEL	2.10	3.26*	12.40	12.53*
Base Camp	1.70	-	15.80	-
Beartooth Lake SNOTEL	1.80	-	11.40	-
Beartrap Meadows SNOTEL	3.70	-	9.80	-
Big Sandy Opening SNOTEL	.20	2.93*	8.60	9.21*
Blackwater SNOTEL	1.00	-	14.60	-
Blind Bull Summit SNOTEL	.80	-	16.70	-
Bone Springs Divide SNOTEL	1.60	-	10.20	-
Brooklyn Lake SNOTEL	1.30	3.71*	17.30	11.45*
Burgess R.S. SNOTEL	1.10	-	8.60	-
Burroughs Creek SNOTEL	1.40	-	11.70	-
Canyon SNOTEL	.90	-	11.40	-
Carter Mountain	0.6	1.48*	5.4	5.24*
Casper WSO AP	1.19	.54	5.54	2.70
Casper Mountain SNOTEL	1.10	1.76*	11.50	8.37*
Christina Lake SNOTEL	1.10	-	-	-
Cloud Peak Reservoir SNOTEL	1.10	-	6.80	-
Cottonwood Lake	1.60	-	22.3	-
Coulter Creek SNOTEL		NO REPORT		
Dinwoody SNOTEL	1.20	-	7.60	-
Divide Peak SNOTEL	1.50	-	20.30	-
Dome Lake SNOTEL	.80	-	10.00	-
Dubois (NWS)	.29	.29	2.26	1.50
East Rim Divide	.25	2.69	4.85	7.10
Elkhart Park G.S. SNOTEL	.70	2.14*	10.80	7.73*
Evening Star SNOTEL	2.30	-	17.30	-
Crassy Lake SNOTEL	3.90	8.16*	33.20	23.91*
Gros Ventre Summit SNOTEL	.40	-	10.30	-
Grover Park Divide	.75	4.57*	15.85	12.78*
Hansen Sawmill SNOTEL	.30	-	6.80	-
Hobbs Park SNOTEL	1.20	-	9.00	-
Indian Creek SNOTEL	.80	-	19.90	-
Irish Rock SNOTEL	.40	-	5.50	-
Kelley Ranger Station SNOTEL	1.20	4.34*	-	12.09*
Kirwin SNOTEL		NO REPORT		
Lake Yellowstone (NWS)	.27	2.30	7.92	7.16
Lander WSO AP (NWS)	.95	.53	5.47	3.17
LaPrele SNOTEL	1.20	-	10.60	-
Lewis Lake Divide SNOTEL	2.20	10.12*	22.70	26.90*
Little Warm	.70	-	10.10	-
Loomis Park SNOTEL	.60	-	12.70	-
Lost Creek SNOTEL	1.90	-	10.00	-
Louis Lake	1.25E	3.33*	9.63	9.77*
Marquette Creek SNOTEL		NO REPORT		
Middle Powder SNOTEL	1.70	-	10.20	-
oran (NWS)	1.10	3.67	12.51	10.77
North French Creek SNOTEL	2.70	4.41*	23.10	13.34*
Old Battle SNOTEL	.80	4.98*	31.50	16.91*
Union Gulch		-	6.25	6.56*
Owl Creek SNOTEL	.7	-	3.20	-
Parker Peak SNOTEL	2.90	-	15.20	-
Phillips Bench SNOTEL	2.60	-	21.70	-
Pinedale (NWS)	.06	.74	4.21	2.93
Pole Mountain	.03	.80*	7.03e	4.55*
Powder River Pass SNOTEL	1.00	2.62*	7.90	7.89*
Reno Hill SNOTEL	1.80	-	9.20	-
Salt River Summit SNOTEL	1.80	4.36	14.31	11.23
Sand Lake SNOTEL	1.70	-	18.00	-
Shell Creek SNOTEL	1.50	-	9.80	-
Snake River Station (NWS)	1.32	5.00	16.44	14.26
Snider Basin SNOTEL	.90	3.36	10.10	21.60
South Brush Creek SNOTEL	1.80	-	14.90	-
St. Lawrence R.S. SNOTEL	1.90	-	9.00	-
Sucker Creek SNOTEL	2.30	-	3.52	-
Sweetwater Mountain	1.00	1.29*	6.0	4.46*
Sylvan Lake SNOTEL	2.50	-	20.00	-
Tensleep (NWS)	.28	.29	4.32	3.29
Timber Creek		NO REPORT		
Togwotee Pass SNOTEL	2.20	6.10*	14.2	17.32*
Townsend Creek SNOTEL	1.40	-	9.20	-
Trout Creek SNOTEL		NO REPORT		
Two Ocean Plateau SNOTEL	1.70	-	18.80	-
Warren Peak SNOTEL	1.20	1.13*	-	4.17*
Webber Spring SNOTEL	3.00	-	23.20	-
Willow Creek SNOTEL	2.50	-	29.80	-
Windy Peak	1.00	-	9.20	-
Wolverine SNOTEL	1.10	-	8.80	-
Younts Peak SNOTEL		NO REPORT		

* Less than 20 years

(NWS) National Weather Service gage

e Estimated



MISSOURI RIVER DRAINAGE

[illegible]

THE FOLLOWING ORGANIZATIONS COOPERATE IN THE WYOMING SNOW SURVEY WORK

STATE

Conservation Districts of Wyoming
State Engineer of Wyoming
Department of Water Resources of Nebraska ,
Irrigation Districts of Wyoming
University of Wyoming
 Department of Atmospheric Resources
 Department of Agricultural Engineering

FEDERAL

U.S. Department of Agriculture
 Soil Conservation Service
 Forest Service

U.S. Department of Commerce
 NOAA, National Weather Service

U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs

PRIVATE

Utah Power and Light Company
Eden Valley Irrigation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.